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Title:

CRUSHING/MIXING DEVICE

Document Type and Number:

Japanese Patent JP2002282723

Kind Code:

A

Abstract:

PROBLEM TO BE SOLVED: To provide a crushing/mixing device capable of rationally removing deposited and accumulated matter adversely affecting the crushing and mixing treatment of a material to be treated, from the inner peripheral surface of a vertical treatment vessel, thereby preventing early wear of a rotary member, preventing any overload of rotational power, maintaining high productivity and securing quality of a soil material produced by the device.

SOLUTION: This device is provided with: a cylindrical, vertical treatment vessel 21 having an inlet in the upper part and an outlet in the lower part; a rotary shaft 31 which has rotary members 33 on its peripheral surface and is placed in the central region of the inside of the vertical treatment vessel 21 so as to vertically extend along the vessel 21, and also, connected to a machine of a rotary drive system; and scrapers 51 each having a long scraping member 52 which vertically extends and is placed within the vertical treatment vessel 21 in close vicinity to its inner peripheral surface; wherein at least the vertical treatment vessel 21 or each of the scraping members 52 is placed so as to be freely rotatable with the axis of the vessel 21 as the center.

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